

METHOD AND DEVICE FOR GENERATING SELECTION SIGNAL WITH IMPROVED ACCURACY

ABSTRACT OF THE DISCLOSURE

A device and a method are used for generating a selection signal provided for a multiplexing circuit. The multiplexing circuit generates an output signal from a plurality of source signals in response to the selection signal. The device includes an operational circuit and a toggle control circuit. The method includes steps of: performing an OR operation of the plurality of source signals to obtain an operational output signal; and latching the operational output signal in an active low manner in response to a selection command to obtain the selection signal. By prohibiting the selection signal from toggling when any of the plurality of source signals is at an output-enabled state, the accuracy of the selection signal can be improved.